

# Coastal Ocean Ecosystem Dynamics Imager Dual Slit Implementation (COEDI)

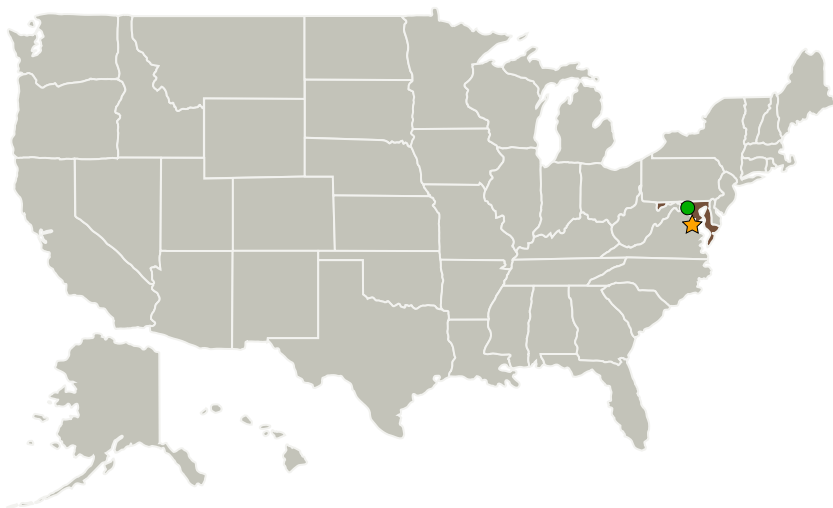
Completed Technology Project (2014 - 2015)



## Project Introduction

Develop key technology for the Coastal Ecosystem Dynamics Imager (COEDI), a potential candidate for the ocean color radiometer on the GEO-CAPE mission concept Incorporate a dual-slit focal plane design Allowing smaller instrument aperture, which results in a reduction in instrument volume Maintaining high SNR science performance Develop and demonstrate two designs Dual-slit plate and beam splitter focal plane design Virtual dual slit design that does not require a slit plate

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
● Goddard Space Flight Center(GSFC)	Supporting Organization	NASA Center	Greenbelt, Maryland

### Primary U.S. Work Locations

Maryland



Coastal Ocean Ecosystem Dynamics Imager Dual Slit Implementation

## Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Management	2
Technology Areas	2
Target Destination	2

## Organizational Responsibility

### Responsible Mission Directorate:

Science Mission Directorate (SMD)

### Lead Center / Facility:

NASA Headquarters (HQ)

### Responsible Program:

Earth Science

# Coastal Ocean Ecosystem Dynamics Imager Dual Slit Implementation (COEDI)

Completed Technology Project (2014 - 2015)



## Project Management

**Program Director:**

George J Komar

**Principal Investigator:**

Antonio Mannino

## Technology Areas

**Primary:**

- TX08 Sensors and Instruments
  - └ TX08.1 Remote Sensing Instruments/Sensors
    - └ TX08.1.1 Detectors and Focal Planes

## Target Destination

Earth